



## **Middle School Space Academy**

### **June 11-15, 2007**

**Supported by Space Florida & the NASA / Florida Space Grant Consortium**

Middle School Students from Florida are invited to apply for a 5-day Space Academy to be held at the Center for Space Education at the Kennedy Space Center Visitor Complex. The Academy will provide opportunities for students to be engaged in fun and stimulating science and math activities. In addition, the Academy will offer students the opportunity to be an aerospace engineer for a week and build an instrument package that will be launched on a weather balloon to 100,000 feet. Students will compete in games and events that are based on science and math principles to show them the relevance of math and science in every-day life. They will also conduct scientific investigation and do hands on experiments.

The Academy will work on 'real world' science and engineering projects, exposing the students to problem solving experiences and team building activities. These projects include:

- 1) Build a Camera instrument to be launched on a scientific, weather balloon.
- 2) Build and program a computerized Robot, capable of obstacle avoidance.
- 3) Design stabilization capabilities for the payload on the scientific, weather balloon.
- 4) Experience the Kennedy Space Center.
- 5) Learn team building games; learn leadership skills.
- 6) Discover science and math techniques in every-day life.

**Qualifications:** US Citizen, Florida Resident

#### **Academy details**

- 1) The Academy will be held at the Center for Space Education Labs at the Kennedy Space Center Visitor Complex.
- 2) Hours - 9am - 3 pm.
- 3) Participants may bring their own lunch.
- 4) The Academy is free to accepted applicants, and is funded by **Space Florida**, a special district of the Governor's office with goals to enhance space business and education.
- 5) Email or Fax Application Form to Tony Gannon, Education Director. [tgannon@spaceflorida.gov](mailto:tgannon@spaceflorida.gov), Fax: 321-730- 5307. Tel: 321 730 5301 ext 23. Website: <http://www.spaceflorida.gov/>
- 6) Once accepted, there is a nominal non refundable \$25 fee to hold your space in this Academy
- 7) The Application dateline is May 31<sup>st</sup>.
- 8) Car pools will be organized, if assistance is required.